REFRIGERATOR SYSTEM AND SOFTWARE
ARCHITECTURE

ABSTRACT OF THE DISCLOSURE

A refrigeration system includes a first refrigeration chamber, a second refrigeration chamber in flow communication with said the first refrigeration chamber, a sealed system for producing desired temperature conditions in the first refrigeration chamber and the second refrigeration chamber, and a controller operatively coupled to the sealed system. The controller is configured to accept a plurality of user-selected inputs including at least a first refrigeration chamber temperature and a second refrigeration chamber temperature, and to execute a plurality of algorithms to selectively control the first refrigeration chamber at a temperature above the second refrigeration chamber and at a temperature below the second chamber. Various control algorithms are provided for maintaining desired temperature conditions in the refrigeration chambers.